

CHERMALYKH, V. M.

Remote-controlled scraper windlass. Biul.tekh.-ekon.inform.
no.10:4-5 ' 58. (MIRA 11:12)
(Winches)

14(5)

SOV/127-59-3-22/22

AUTHOR: Zelenskiy , N.M., Candidate of Technical Sciences,
Docent, and Chermalykh, V.M., Engineer.

TITLE: L.G.Zhivov and V.P. Gusarova "Remote and Automatic
Control of Scraper Winches. (Distantsiyonnoye i
avtomaticheskoye upravleniye skrepernymi lebedkami)

PERIODICAL: Gornyy zhurnal, 1959, Nr 3, pp 78-80 (USSR)

ABSTRACT: This is a review of the above mentioned book.

ASSOCIATION: Dnepropetrovskiy gornyy institut. (Dnepropetrovsk
Mining Institute). Krivorozhskiy gornorudnyy insti-
tut (Krivoy Rog Institute of Ore Mining.)

Card 1/1

CHERMALYKH, V.M., inzh.

Use of a two-motor differential drive for mine hoisting
machines and winches. Izv. vys. ucheb. zav.; gor. zhur.
no. 11:179-186 '60. (MIRA 13:12)

1. Krivorozhskiy gornorudnyy institut. Rekomendovana
kafedroy gornoj mehaniki Krivorozhskogo gornorudnogo instituta.
(Mine hoisting--Electric driving)

CHERMALYKH, V.M., inzh.

Improving the regulating properties of the asynchronous drive
of small hoisting machines. Ugol' Ukr. no.6:19-21 Je '61.
(MIRA '4:7)

1. Krivorozhskiy gornorudnyy institut.
(Hoisting machinery--Electric driving)

CHERMALYKH, V.M., inzh.

Effect of the rigidity of the supporting springs of a hoist
reducing gear on the dynamics of the apparatus. Izv. vys.
ucheb. zav.; gor. zhur. no.6:153-160 '61. (MIRA 16:7)

1. Krivorozhskiy gornorudnyy institut. Rekomendovana kafedroy
gornoj mekhaniki.
(Mine hoisting)

CHERMALYKH, V.M.

Dynamic process in a spring-mounted reducing gear of a hoist
during safety braking. Sbor. nauch. trud. KGRI no.19:38-42 '62.
(MIRA 16:5)

(Mine hoisting--Brakes)

(Gearing)

CHERMALYKH, V.M., kand.tekhn.nauk

Transient processes in differential drive , with resilient
couplings (wire rope). Sbor.nauch.trud. KGRI no. 21;172-178
'63. (MFA 17;7)

PRAVITSKIY, N.K., kand. tekhn. nauk [deceased]; CHERMALYKH, V.M., kand. tekhn. nauk

Limiting values of starting acceleration and slowing down of multirope hoisting machinery. Gor. zhur. no.9-41-43 S '64.

(MIRA 17:12)

1. Dnepropetrovskiy gornyy institut (for Pravitskiy).
2. Krivorozhskiy gornerudnyy institut (for Chermalykh).

PETROV, L.K.; REZNIK, I.D.; SERPOV, V.I.; CHERMAN, B.P.

Industrial test smelting of oxidized nickel in oxygen-enriched
air blast at the Southern Urals Nickel Combine. TSvet. met. 29
no.8:33-35 Ag '56. (MLRA 9:10)

(Ural Mountain region--Nickel--Metallurgy)

TRUBNIKOV, V.P.; CHERMAN, M.S.; SHALASHINA, M.I.; SHARAFUTDINOV,
R.Kh.; MAKHMUDOV, M., red.

[I am enchanted by you, Uzbekistan!] Uzbekiston - bizni
maftun etdi. Toshkent, Uzdavnashr, 1964. 137 p. [In
Uzbek] (MIRA 17:11)

ALEKSEYENKO, N.Yu.; KLAAS, Yu.A.; SHAFRANOVSKIY, K.I.. Prinimal uchastiye
GERMAN, T.P.—LUPPOV, S.P., otv.red.; GERSHUNI, G.V., prof.,
red.; GOL'DANSKAYA, M.I., red.izd-va; KRUGLIKOV, N.A., tekhn.red.

[Physiological acoustics; bibliographical index of Soviet literature,
1917-1950] Fiziologicheskaiia akustika; bibliograficheskii uka-
zatel' sovetskoi literatury, 1917-1950. Moskva, Izd-vo Akad.nauk
SSSR, 1960. 136 p. (MIRA 14:1)

1. Akademiya nauk SSSR. Biblioteka. 2. Institut vysshey nervnoy
deyatel'nosti AN SSSR (for Alekseyenko). 3. Institut fiziologii
im. I.P.Pavlova AN SSSR (for Klaas). 4. Biblioteka AN SSSR (for
Shafranovskiy, Cherman).

(BIBLIOGRAPHY--HEARING)

CHERIANESCU, M.

Cauchy's functional equation. In French.

P. 33 (REVISTA DE CHIMIE) (Bucuresti, Rumania) Vol. 1, no. 1; 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, No. 5. 1958

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308430001-2

CHERMANOV, S. P.

"Cantilever Rule for Observations of Surface Thawing of Glaciers," Met. i gidrol.,
No.5, 1949

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308430001-2"

VATKIN, Ya.L., kandidat tekhnicheskikh nauk, dotsent; KRONFEL'D, I.D., inzhener;
ROZHNOV, S.V., inzhener; CHERMAREV, I.A., inzhener.

Determining pressure and tension in pipe rolling on a continuous mill
with long mandrel. Stal' 16 no.3:229-235 Mr '56. (MLRA 9:7)

1. Dnepropetrovskiy metallurgicheskiy institut i Vsesoyuznyy nauchno-
issledovatel'skiy trubnyy institut.
(Rolling (Metalwork)) (Pipes, Steel)

L 52017-65 EFF(n)-2/EPA(w)-2/EWT(l)/EWG(m) PI-4/Po-4/Pz-6/Pab-10 IJP(c) AT -

ACCESSION NR: AP5012687

UR/0057/65/035/005/0964/0966

56

AUTHOR: Chernarev, I.B.

55

TITLE: On determining the velocities of a glow discharge plasma in a rectangular channel in the presence of crossed fields

21

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 5, 1965, 954-966

TOPIC TAGS: plasma, glow discharge, electric field, magnetic field, plasma flow

ABSTRACT: The author calculates the velocity of a glow discharge plasma in an infinitely long rectangular channel of which two opposite walls are the electrodes. The electric field is assumed to be uniform, and a uniform magnetic field, perpendicular to the electric field and to the axis of the channel, is assumed to be present. The temperature of the neutral atoms is assumed to be equal to the ion temperature and much less than the electron temperature. The solution is sought in the form of a power series in the small Stewart and magnetic Reynolds numbers. The zeroth order diffusion equations for the electron and ion gases are solved for the electron density and current distributions, and these quantities are used in the

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L 52017-65

ACCESSION NR: AP5012067

succeeding approximation to calculate the velocities. A closed expression is derived for the first order longitudinal velocity, and a fourth order partial differential equation is obtained for the first order transverse velocity potential. This equation can be solved for the rectangular region by known methods. Orig. art. has: 13 formulas.

ASSOCIATION: Fiziko-tehnicheskiy institut im. A.F. Ioffe AN SSSR, Leningrad
(Physico-technical Institute, AN SSSR)

SUBMITTED: 30Nov64

ENCL: 00

SUB CODE: MS

NR REF Sov: 005

OTHER: 000

Card 2/27

MANEVICH, V.F., inzh.; CHERMASHENTSEV, Ya.N., inzh.

Conference on the use of short mechanized walls in working coal
and shale deposits. Bezop.truda v prom. 6 no.4:38 Ap '62.
(MIRA 15:5)
(Mining engineering)

CHENASHENTSEV, Yakov Nikolayevich

[Industrial accidents and occupational diseases, their prevention and prophylaxis] Proizvodstvennyi travmatizm i profzabolevaniia, ikh preduprezhdenje i profilaktika. Moskva, Gosgortekhizdat, 1961. 75 p. (MIR 17:3)

GREKOV, V.K., inzh.; CHERMASHENTSEV, Ya.N. inzh.

Causes of roof stoping in the No.6 mine. Bezop.truda v prom.
6 no.2:9-10 F '62. (MIRA 15:2)

1. Gosgortekhnadzor RSFSR.
(Cherepet!—Coal mines and mining—Accidents)

S/097/59/000/07/007/021
E141/E164

AUTHORS: Chermashkin, V.G. (Engineer) and Popova, N.A. (Engineer)

TITLE: Investigation of Properties of High Tensile
Reinforcement for Pre-Stressed Reinforced Concrete¹⁵

PERIODICAL: Beton i zhelezobeton, 1959, Nr 7, pp 307-310 (USSR)

ABSTRACT: The investigated properties of high tensile reinforcing rods as far as strength is concerned comply with the requirements of GOST 7348-55¹⁵ and 8480-57. The elasticity, characterized by relative elongation when testing reinforcement of periodic and circular profile of 3 mm diameter, was found not to comply with the standards, while circular reinforcing rod 5 mm in diameter does comply with the requirements. Tests of the reinforcing rod, both normal and tensioned, under high temperatures showed that the strength characteristics do not change when the temperature is not higher than 200 °C. Above this temperature, however, a quick reduction of strength is experienced, accompanied by increased elasticity. For the investigations reinforcing rods were chosen manufactured from steel, marks U7 and U8, and St. 70 and St. 45. The samples were 100 mm long. Table 1 gives the

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S/097/59/000/07/007/021
E141/E164

Investigation of Properties of High Tensile Reinforcement for
Pre-Stressed Reinforced Concrete

chemical composition of these marks of steel. Table 2 gives the results of the investigations, which show that the reinforcing rods comply with GOST standards in respect to intermittent resistance, limit of cold flow and the number of bends. Fig 1 gives "tension-deformation" diagram of high tensile reinforcing rods. Pre-stressed reinforced concrete constructions were reinforced with wires or batches which can be subjected to high temperature and, in the case of pretensioning, to high temperature effected by an electrothermal method. Reinforcing wires which are not tensioned were investigated in the following way: the wire was placed in a kiln between two anchors of a pulling machine and heated to a certain temperature for 30 minutes. Under these conditions, tensioning tests were carried out. Results of the tests on tensioned wires, subjected to a temperature of between 50 and 600 °C, are given in diagrams of Figs 2 and 3. These tests proved that a temperature of 200 °C is detrimental to the strength of

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S/097/59/000/07/007/021
E141/E164

Investigation of Properties of High Tensile Reinforcement for
Pre-stressed Reinforced Concrete

the wire (similar results were obtained by K.V. Mikhaylov). Fig 4 shows curves of the relationship between changing intermittent resistance of pre-tensioned high tensile wire and temperature. Fig 5 shows diagrams of the relationship between changing intermittent resistances and limit of cold flow of high tensile wire and tempering temperature. Tests were carried out to define optimal tempering temperature. Testing wires were heated from 100 to 600 °C for 20 minutes, and then cooled in air and finally tested by tensioning. The results are shown in Fig 5. Fig 6 shows diagrams of the relationship of changing relative elongation of high tensile wire and tempering temperature. It was found that an optimal tempering temperature is within the interval 350-400 °C. This results in obtaining wires with the necessary elastic properties. Tests were also carried out on samples of wires after cold hardening and ageing. These samples were also elongated by 0.5-1.0%, boiled in water for 2 hours and then tensioned. The results of these

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S/097/59/000/07/007/021
E141/E164

Investigation of Properties of High Tensile Reinforcement for
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tests are given in Fig 7. After cold hardening and
ageing the steel's limit of cold flow increases,
especially when the tensioning is carried up to 1%, but
in this case the elasticity is much reduced.

Card
4/4

There are 7 figures and 1 table.

(✓)

CHERMAVSKIY, G.N., kand. tekhn. nauk.

Determining metal cutting conditions in a plant. Avt. prem.
no.11:36-38 N '58. (MIRA 11:12)

1. Moskovskiy avtomekhanicheskiy institut.
(Metal cutting)

CHERMSEV, M.A.

Operational experience with the continuous rotary diffuser.
Sakh.prom. 33 no.3:42-43 Mr '59. (MIRA 12:4)

1. Korenovskiy sakharnyy zavod.
(Korenovskaya--Sugar machinery)

CHERMENIN, B.

~~CHERMENIN, B., inzh.~~

Automatic, self-locking air valve. Mor. flot 18 no.2:12 F '58.
(MIRA 11:2)

1. Tekhnicheskiy sudoremontnyy zavod, g. Sovgavan'.
(Compressed air)

USHANOV, V.F.; POZDNYAKOV, A.A.; VARDUGIN, A.V.; CHERMENIN, B.I.,
student III kursa

Changes in the physicochemical properties of the wood of
Siberian larch during compression. Trudy STI 34:48-55 '63.
(MIRA 17:2)

MAMAYEV, N.F.; CHERMENINOVA, I.V.

Age of certain volcanic formations and ore occurrences in the
eastern slopes of the Southern Urals. Sov. geol. 3 no.4:115-118
(MIRA 13:11)
Ap '60.

1. Ural'skoye geologicheskoy upravleniye.
(Ural Mountains--Geology)

CHERMININOVA, I.V.

Recent data on the Pre-Cambrian of the eastern slope of the Urals.
Dokl. AN SSSR 142 no.3;661-662 Ja '62. (MIRA 15:1)

I. Gorno-geologicheskiy institut Ural'skogo filiala AN SSSR.
Predstavleno akademikom D.V.Nalivkinym.
(Salda region--Geology, Stratigraphic)

MAMAYEV, N.F.; PRONIN, A.A.; CHERMENINOVA, I.V.

Stratigraphy and tectonic characteristics of the formation of
Pre-Cambrian and Lower Paleozoic layers on the eastern slope of
the Ural Mountains. Trudy Inst. geol. UFAN SSSR no.65:3-17 '63.
(MIRA 17:7)

CHERMENNOV, V.

Vital pedagogical creativeness and set pattern. Prof-tekh.
obr. 18 no.4:9-10 Ap '61. (MIRA 14:4)
(Teaching) (Vocational education)

CHEREMSHEN, V.

How to improve the training of machine operators. Prof.-techn.
(MIRA 17;11)
obr. 21 no. 10;8-6-64.

CHEREMOVSKIY, Yuriy Ivanovich; SIDOROV, Fedor Georgiyevich; MIKHEYEV,
Nikolay Zakharovich; PICHAK, Fedor Ivanovich; ALEKSEYEV, Georgiy
Petrovich; KHARITONCHIK, Ye.M., prof., retsenzent; CHERMENNOV,
V.M., inzh., retsenzent; RYABCHENKO, P.G., inzh., retsenzent;
KALOSHIN, A.I., inzh., retsenzent; PICHAK, F.I., kand.tekhn.nauk.
red.; YERMAKOV, N.P., tekhn.red.

[Manual for tractor drivers] Posobie traktoristu. Izd.2., perer.
1 dop. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry,
1960. 592 p. (MIRA 13:12)

(Tractors)

SADYKOV, B.G., aspirant; GANELINA, R.G.; CHERMENSKAYA, N.A., laborant

Hamolytic shock caused by Rh-incompatibel blood transfusion.
Kaz.med.zhur. no.5:56-57 S=0 '62. (MIRA 16:4)

1. Izoserologicheskaya laboratoriya (zav. - R.G.Ganelina)
Respublikanskoy stantsii perelivaniya krovi (direktor - L.I.
Mukhutdinova) Ministerstva zdravookhraneniya Tatarskoy ASSR
i 1-ya kafedra akusherstva i ginekologii (zav. - prof. P.V.
Manenkov) Kazanskogo meditsinskogo instituta.
(BLOOD TRANSFUSION) (HEMOLYSIS AND HEMOLYSINS)
(RH FACTOR)

L 12090-66 EWT(m)/EWA(d)/EWP(t)/EWP(z)/EWP(b) IJP(c) MJW/JD/HW/WB
ACC NR: AP6000602 SOURCE CODE: UR/0129/65/000/012/0006/0010

AUTHOR: Babakov, A. A.; Svistunova, T. V.; Chermenskaya, N. F.
44,55 44,55 44,55

63

59

B

ORG: TsNIIGChERMET
44,55

TITLE: Effect of silicon on the mechanical properties and proneness to
intercrystalline corrosion of chromium-nickel-molybdenum alloy
27 27 27

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 12, 1965, 6-10
bottom half of insert facing p. 40, and top half of insert facing p. 41

TOPIC TAGS: nickel base alloy, corrosion resistance, intercrystalline corrosion,
phase diagram metal grain structure / EP375 type Cr-Ni-Mo alloy

ABSTRACT: Cr-Ni-Mo alloys of the Kh15N55M16V (EP375)⁸ type (>0.08% C, 1% Si, 1% Mn,
0.020% S, 0.025% P, 0.35% V, 7% Fe, 2.5% Co, 14.5-16.5% Cr, 15-17% Mo (Ni base)) --
hastelloy, langaloy, etc. --are used in chemical industry in reox media and various
aggressive media. Their principal shortcoming is proneness to intercrystalline cor-
rosion⁹ in the zone of the thermal influence of welding as well as following reheating
to 650-1000°C, due chiefly to the segregation of the ternary o-phase along grain
boundaries. Glass et al. (Metallkunde, 1960, no. 5) showed that reducing the Si²⁺ con-
tent of these alloys to hundredths of a percent can retard the segregation rate of
o-phase in Ni-Cr-Mo alloys of the 25% Cr-15% Mo system. In this connection, the

fw UDC: 620.17:669.018.5

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L 12090-66

ACC NR: AP6000602

the authors present the results of a comparative investigation of the mechanical properties (hardness, impact strength, corrosion resistance) and proneness to intercrystalline corrosion of three types of Cr-Ni-Mo alloys containing 0.06 - 1.60% Si, 15.0-25.2% Cr, 14.7-17.2% Mo. Proneness to intercrystalline corrosion was determined for sheet specimens following 48-hr boiling in a solution of 30% H_2SO_4 + 40 g/liter $Fe_2(SO_4)_3$ with subsequent 90° bending around a frame. At the same time the depth of penetration of intercrystalline corrosion was determined by the metallographic method. The corrosion resistance of alloys in 50% H_2SO_4 at 70°C was determined according to weight loss. It was established that the presence of Si in the alloys adversely affects their properties by accelerating the segregation of secondary phases. Of the investigated alloys, the alloy Kh15N65M15B7 with its lower Si content (0.9%) is recommended for pilot industrial tests. Orig. art. has: 2 tables, 4 [3] figures.

SUB CODE: 11, 13/ SUBM DATE: none/ ORIG REF: 000/ OTH REF: 004

Addit. note / Alloy design numbers shown in journal

* Kh15N65M15V (EP567)

Kh15N70M15

Kh25Ni10M15

Card 2/2

1. (00050-57) CWT(n)/CWT(w)/CWT(k)/CWT(t)/ETI IJF(c) MJW/JD/IM/JO/WB
ACC NR: AP6027298

SOURCE CODE: UR/0133/66/000/008/0748/0751 (5)
(6)
(7)

AUTHOR: Svistunova, T. V.; Doronin, Y. M.; Kruzhkov, V. I.; Topilin, V. V.; Dzugutov,
M. Ya.; Vinogradov, Yu. V.; Chermenskaya, N. F.; Kordonov, B. A.

ORG: "Elektrostal'" Plant (Zavod "Elektrostal'"); TsNIIChM

TITLE: Corrosion resistant nickel-based alloys

SOURCE: Stal', no. 8, 1966, 748-751

TOPIC TAGS: corrosion resistant alloy, intergranular corrosion, nickel base alloy,
fatigue strength

ABSTRACT: The authors study and compare corrosion resistance of various types of
nickel-based alloys. The welded joints of these alloys are subject to intercrystalline
corrosion in aggressive media. Methods are discussed for eliminating this phenomenon.
Among these methods are heat treatment of the welded joints, reduction of carbon and
iron content in the alloys and the introduction of carbide-forming elements. It was
found that intercrystalline corrosion could be eliminated by alloying N70M27 alloy
with 1.4-1.7% vanadium. This eliminates intercrystalline corrosion in welded joints up to 6 mm thick without requiring heat treatment. The new alloy is designated EP496.
It was also found that intercrystalline corrosion could be eliminated in chromium-
nickel-molybdenum alloys by reducing their carbon-silicon and iron content. The new

UDC: 669.14.018.8

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L 09250-67	
ACC NR: AP6027298	
<p>alloy is designated EP567. Both of these new alloys have a fatigue limit of 5-7 kg/mm² at 1200°C which is 3-4 times higher than that of Kh18N9T steel. A new process is developed for melting and pressure working these alloys to satisfactory deformability. EP496 and EP567 alloys are melted in open induction furnaces with 500 and 1000 kg capacity. The ingots are worked on snagging machines until all defects are removed from their surfaces. Both alloys are difficult to machine, nevertheless, they can be roughed with much less difficulty than Kh18N10T steel. Deformation temperatures for both alloys are given. Both of these alloys have excellent corrosion resistance in hydrochloric and sulfuric acids at various temperatures and concentrations. The welded seams of these alloys are not subject to intercrystalline corrosion and therefore can be recommended for welded sheet structures and tubes used in the chemical and petroleum industries. Orig. art. has: 6 figures, 2 tables. fb</p>	
SUB CODE: 11/ SUBM DATE: None/ ORIG REF: 003/ OTH REF: 005	

CHERMENSKAYA, T.I.

Content of steroid hormones in the urine of women with a normal
and a weak labor activity. Sbor. nauch. trud. Kaf. akush. i gin.
1 LMI no.2:123-219'61. (MIRA 16:7)
(STEROID) (LABOR, COMPLICATED)
(URINE—ANALYSIS AND PATHOLOGY)

CHERMENSKIY, A. D. I KURGUZOV, YA. V.

29114 Expeditsiya opygnoy Stantsii V Gornye Rayony Yuzhnogo Vralo V 1947
Godv. (Izuchenie Osobennostey Selskogo Khozyaystva.) Trudy Bashir, Nauch,
Issled, Polevod. Stantsii, T. III, 1948 (Kolon-Titul: 1947) S. 499-506

SO: Letopsi' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308430001-2

CHERMENSKIY, A. D.

29114-Ekspeditsiya Opygnoy Stantsii V Gornye Rayony Yuzhnogó Kraia V 1947
((Zavodskaya Laboratoriya)), 1949, No. 3, S, Primech. Red) Zavodskaya
Laboratoriya, 1949, No. 9, S, 1126-27

SOK Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

CHERMENSKIY, A. D. I KURGUZOV, YA. V.

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308430001-2"

OKOLOVICH, Ye.I., CHERMENSKIY, A.D., metodist.

Both for show and education. Nauka i pered.op.v sel'khoz. 7
no.6:5-7 Je '57. (MIRA 10:7)

1. Glavnnyy metodist Vsesoyuznoy sel'skokhozyaystvennoy vystavki
(for Okolovich).
(Moscow--Agricultural exhibition)

CHERMENSKIY, A.D.; ALEKSANDROV, A.S., kand.sel'skokhoz.nauk, otv. za vypusk; GORNIK, M.V., red.; USHKOVA, M.P., tekhn.red.

[Advanced practices in cotton growing; based on data of the All-Union Agricultural Exhibition of 1958] Peredovoi opyt v khlopkovodstve; po materialam Vsesoiuznoi sel'skokhozistvennoi vystavki 1958 goda. Moskva, 1958. 36 p. (MIRA 13:1)
(Cotton growing)

OKOLOVICH, Ye.I.; CHERMENSKIY, A.D. , metodist

For more extensive promotion of the achievements of science and
advanced practices in agriculture. Zemledelie 7 no.7:3-9
J1 '59. (MIRA 12:9)

1. Glavnnyy metodist po razdelu sel'skogo khozyaystva Vystavki
dostizheniy narodnogo khozyaystva (for Okolovich).
(Agriculture)

KOVALEV, N.D., prof.; ATROSHENKO, M.D., dots.; DEKONNOR, A.V., dots.;
LITVINENKO, A.N., dots.; OZEROV, V.N., red.; CHERMENSKIY,
A.D., red.; GONCHAROVA, T.I., tekhn. red.; DEYEVA, V.M., tekhn.
red.

[Fundamentals of farming and plant growing] Osnovy zemledeliia
i rastenievodstva. [By] N.D.Kovalev i dr. Moskva, Sel'khoziz-
dat, 1963. 566 p.
(MIRA 17:3)

CHERKASHTI, B.

26862. DMITRIYEV, A., MIKHAYLOV, N., CHERKASHTI, B. - Za chistotu marksistsko-leninskly tsorii v statisticheskoy literature. Vestnik statistiki, 1949, No. 2, S. 57-61

SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

BEZBORODOV, A.M.; URUSOVA, S.S.; CHERMENSKIY, D.N.; SHUL'TS, L.M.;

Biosynthesis of amino acids in the cultivation of actinomycetes
on various media and the effect of inhibitors on this process.
Mikrobiologiya 32 no.3:385-390 My-Je'63 (MIRA 17:3)

1. Leningradskiy khimiko-farmatsevticheskiy institut.

VOYTSEKHOVSKIY, B.V.; NIKOLAYEV, V.P.; DUDIN, V.M.; MAYYER, O.F.;
CHERMENSKIY, G.P.

Some results of crushing rocks with a pulse water jet. Izv. SO
AN SSSR no.2 Ser. tekhn. nauk no.1:7-11 '63. (MIRA 16:8)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.
(Mining engineering) (Water jet)

CHERMENSKIY, M. F.

"Problem of the Tracing of Railroads With the Use of Data From Aerial Photographic Surveys." Cand Tech Sci, Moscow Inst of Engineering Railroad Transportation, Moscow, 1953. (RZhgeol, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

CHERMENSKIY, M.P.

CHERMENSKIY, M.P.

Use of new technique in railroad surveying. Izv. vost. fil. AN SSSR
no.12:97-105 '57. (MIRA 11:1)

1. Zapadno-Sibirskiy filial AN SSSR.
(Railroads--Surveying) (Aerial photogrammetry)

CHERMENSKIY, M.P.

Use of aerial methods in the first stages of laying out railroads.
Izv. Sib. otd. AN SSSR no.3:30-31 '59. (MIRA 12:8)

1.Transportno-energeticheskiy institut Sibirskogo otdeleniya
Akademii nauk SSSR.
(Photography, Stereoscopic) (Railroads—Surveying)

CHERMENSKIY, M. P., Cand Tech Sci -- (diss) "Plotting of railways with the application of aerial survey methods." Moscow, 1960. 15 pp; (Ministry of Transportation Construction USSR, All-Union Scientific Research Inst of Transportation Construction); 150 copies; price not given; (KL, 17-60, 160)

CHERMENSKIY, M.P.; LOGACHEVA, A.A.; BANDMAN, M.K.

Main trends in the development of transportation and trade relations
and the transportation system of the Angara Valley within Krasnoyarsk
Territory. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 10:47-
68 '60. (MIRA 14:1)

(Angara Valley--Transportation)

CHERMENSKIY, M.P.

Development of the transportation system in the Angara-Pit iron
ore basin. Trudy Transp.-energ. inst. Sib. otd. AN SSSR no. 10:77-
83 '60. (MIRA 14:1)
(Angara Valley--Iron ores--Transportation)

S/035/61/000/006/036/044
A001/A101

AUTHOR: Chermenskiy, M.P.

TITLE: On the accuracy of railroad layout using aerial methods

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 6, 1961, 11, abstract 6G96 ("Tr. Novosib. in-ta inzh. zh.-d. transp.", 1959, no. 17, 133 - 161)

TEXT: The author describes the methods of using stereophotogrammetry and aerial levelling in the stage of comparing variants of a layout. Layout is made on stereophotodiagrams compiled on the basis of aerial photographs on the 1:17,000 scale and 1:10,000 scale for complicated sections. As a vertical network are used altitudes obtained by aerial levelling in lowland regions and by the stereophotogrammetric method in mountainous regions (making orientation of aerial photographs on a stereometer using the points of aerial levelling). The author presents data of theoretical investigations and experimental works on determining layout accuracy using aerial methods. The average error in the length of a route amounts to 1% for free traverses and $\sim 2\%$ for complicated ones; the average error in measuring the angle of a route turn does not exceed 1° ; the error in determining slopes

Card 1/2

S/035/61/000/006/036/044
A001/A101

On the accuracy of railroad layout ...

of a projected line is 1.5 - 2%, and the error in estimating the volume of excavation work amounts to 5 - 20%. It is pointed out that application of aerial methods reduces expenses by 25 - 35%, dependent on the nature of the relief, and working time by 1.5 - 2 times.

G. Levchuk

[Abstracter's note: Complete translation]

Card 2/2

VOLYNCHIKOV, Nikolay Vasil'yevich; NIKITINA, S.; CHERMENSKIY, P.

[Lebedyan] Lebedian'. Lipetsk, Lipetskoe knizhnoe izd-
vo, 1962. 35 p. (MIRA 16:11)
(Lebedyan--Description)

CHEMENSKIY, V. []

Statistics

Against flagrant errors and muddles in the theory of statistics, Vest. stat., No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308430001-2

CHERMENSKIY, V. (D.)

"The Science of Statistics," Vop. ekon., No.9, 1952

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308430001-2"

PETROV, M. P.; CHERMENSKIY, V. Ya.

Geography - Turkmenistan

Report on the work of the Geographical Society of Turkmenistan for 1946. Iav. Vses. geog. ob-va 79, No. 3, 1947.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

CHERMENSKIY, Yu.V.

CHERNOMORDIKOVA, M.F.; CHERMENSKIY, Yu.V. (Leningrad, 129, 2-ya
Berezovaya alleya, d. 3, Institut onkologii AMN SSSR.)

Value of tomography in the diagnosis of bone tumors [with
summary in English] Vop. onk., 2 no.6:728-737 '56 (MLRA 10:4)

1. Iz rentgeno-radiologicheskogo otdeleniya (zav.-prof. L.M.
Gol'dshteyn) Instituta onkologii AMN SSSR (dir.-chл.-korr. AMN
SSSR, prof. A.I. Serebrov)

(BONES, neoplasms
diag., tomography)
(ROENTGENOGRAPHY, in various dis.
tomography in bone tumors)

Chernyshkiy Yu.V.
BARANOVA, A.G.; CHERMENSKIY, Yu.V.

Significance of lateral tomography in the diagnosis of bronchial
cancer [with summary in English]. Vop.onk. 3 no.5:384-589 '57.
(MIRA 11:2)

1. Iz rentgenovskogo otdeleniya (zav. - prof. L.M.Gol'dshteyn)
Instituta onkologii AMN SSSR (dir. - deystv.chl. AMN SSSR prof.
A.I.Serebrov). Adres avtorov: Leningrad, P.129, 2-ya Beresovaya
alleya, d.3, Institut onkologii AMN SSSR.
(BRONCHI. neoplasms
diag., lateral tomography)

CHERMENSKIY, Yu.V.

Materials on clinical X-ray diagnosis of cancer in the bronchus
of the middle lobe. Trudy Inst. onk. AMN SSSR no. 3:112-126 '60.
(MIRA 16:12)

1. Iz rentgenologicheskogo otdeleniya (zav. - prof. L.M.
Gol'dshteyn) Instituta onkologii AMN SSSR.

CHERMENSKIY, Yu.V.

Nontumorous lesions of the middle lobe of the lung and their
distinction from cancer. Trudy Inst.onk.AMN SSSR no.4:72-83
'62. (MIRA 15:9)

(LUNGS--DISEASES)

BARANOVA, A.G. (Leningrad, Mokhovaya ul., d. 26, kv.25);
CHEMINSKIY, Yu.V. (Leningrad, K-156, pr. Engel'sa, d. 28,
kv.101)

Limited organic inflammatory foci and their differential
diagnosis in distinguishing them from bronchial cancer.
(MIRA 16:9)
Vop.onk. 9 no.2:48-53'63.

1. Iz rentgenovskogo otdeleniya Instituta onkologii AMN
SSSR (zav. - prof. L.M.Gol'dshteyn [deceased], dir. - dey-
stvitel'nyy chlen AMN SSSR prof. A.S.Serebrov).

*

CHERMISINOV, N. A.

USSR 600

Botany-Pathology

Book on plant diseases ("Plant diseases and environment." M. V. Gorlenko.)
Priroda 41 no 3:125-127 Mr '52.

9. Monthly List of Russian Accessions, Library of Congress, July 1953. Unclassified.
2

ZUYEV, V.S.; CHERMISKIN, I.V.

Concerning the width of the emission line of a maser. Radiotekh.
i elektron. 7 no.5:918-919 My '62. (MIRA 15:4)

1. Fizicheskiy institut im. P.N.Lebedeva AN SSSR.
(Masers)

CHERMNYKH, G.P.

Earthquake at the shore of Kamchatka, May 4, 1959. Biul. Sov. po
seism. no.11:6-17 '60. (MIRA 14:3)

1. Seismicheskaya stantsiya Petropavlovsk.
(Kamchatka--Earthquake, 1959)

Chernykh, G.P.

S0749-99-10-19/19

AUTHOR: Solov'yev, S. I.
 TITLE: Session on Seismology and Tectonics of the Pre-Baikal
 and the Adjacent Regions
 PERIODIC: Izdatel'stvo Akademii Nauk SSSR. Seriya Sovetskaya Krayeva
 1959, № 10, pp 1527-1532 (USSR)

ABSTRACT: The Session took place on the 9 to 17 June 1959. It
 was convened by the Council on Seismology, Ac. Sc., Sc.
 Peterburg University (Institute of Physics of the Earth, Ac. Sc.,
 USSR) - the Soviet Union Geological Institute and
 USSR; the Irkutsk State University. It was presided
 over by the Chairman of the just Siberian Session Delegation,
 Ac. Sc. USSR Prof. Senator A. V. Protopopov. The following
 scientists attended the session: Prof. V. A. Artyukhov (Institute
 of Physics of the Earth, Ac. Sc.), Prof. A. A. Baklanov (Institute
 of Geology and Mineralogy, Institute of the Far East, Acad. Sc.,
 USSR), Prof. V. N. Danilkin (Institute of Pre-Baikal
 Mining and Metallurgy, Geological Institute, Ac. Sc.,
 USSR) - Petrozavodsk (Institute of Physics of the Earth, Ac. Sc.,
 USSR) - Geological Development in South Siberia, Ac. Sc.,
 USSR) - Geological Development (Institute of Geophysics and
 Geodesy, Moscow University) - Geophysics and Geodesy;
 V. A. Artyukhov (Moscow University) - Geophysics and Geodesy;
 S. V. Chernykh (Institute of Geophysics and Geodesy); Prof. V. A. Bratkov (Institute
 of Geodynamics and Tectonics, Geological Institute, Ac. Sc.,
 USSR) - Tectonics; Prof. V. P. Smirnov and M. A. Feski
 (Irkutsk (Siberian) Geological Institute) - Tectonics;
 Prof. G. N. Slobodchikov, S. V. Pichugin and Z. A. Pichugina
 (Irkutsk (Siberian) Geological Institute) - Tectonics;
 Prof. V. N. Danilkin (Institute of Physics of the Earth, Ac. Sc.,
 USSR) - Tectonics of the Far-Baikal Seismic Expedition;
 A. P. Bulyanov (Irkutsk University) - Chair of Geology;
 Prof. V. V. Kostylev (Institute of Geophysics and Geodesy, Geological Institute) -
 Geophysical Accidents; Prof. V. A. Slobodchikov (Institute of Geophysics and Geodesy, Geological Institute) -
 Analysis of the Far-Baikal Seismic Changes of the Pre-Baikal;
 Prof. V. V. Kostylev (Institute of Geophysics and Geodesy, Geological Institute) -
 Geophysical Accidents; Prof. V. A. Slobodchikov (Institute of Geophysics and Geodesy, Geological Institute) -
 Analysis of the Far-Baikal Seismic Changes of the Pre-Baikal;

Card 1/4

Card 2/4

S. L. Selivanov (Institute of Geophysics and Geodesy, Geological Institute) -
 Geophysical Accidents; Prof. V. A. Slobodchikov (Institute of Geophysics and Geodesy, Geological Institute) -
 Analysis of the Far-Baikal Seismic Changes of the Pre-Baikal;
 K. V. Peshkin (Institute of Physics of the Earth, Ac. Sc.,
 USSR) - Tectonics of the Lake Baikal, L. A. Dzhurashvili
 (Irkutsk University) - Tectonics of the Lake Baikal, L. A. Dzhurashvili
 (Irkutsk University, Irkutsk) - Tectonics of the Lake Baikal;
 Prof. V. N. Danilkin (Institute of Physics of the Earth, Ac. Sc.,
 USSR) - Tectonics in the Far-Baikal - Chair of Geology;
 A. P. Bulyanov (Irkutsk University) - Chair of Geology;
 Prof. V. V. Kostylev (Institute of Geophysics and Geodesy, Geological Institute) -
 Geophysical Accidents; Prof. V. A. Slobodchikov (Institute of Geophysics and Geodesy, Geological Institute) -
 Analysis of the Far-Baikal Seismic Changes of the Pre-Baikal;

Card 3/4

Y. A. Vaynshteyn (Institute of Physics of the Earth, Ac. Sc.,
 USSR) - Tectonics of the Far-Baikal Seismic Changes of the Pre-Baikal;
 Prof. V. A. Slobodchikov (Institute of Geophysics and Geodesy, Geological Institute) -
 Analysis of the Far-Baikal Seismic Changes of the Pre-Baikal;
 Prof. V. V. Kostylev (Institute of Geophysics and Geodesy, Geological Institute) -
 Geophysical Accidents; Prof. V. A. Slobodchikov (Institute of Geophysics and Geodesy, Geological Institute) -
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 Geophysical Accidents; Prof. V. A. Slobodchikov (Institute of Geophysics and Geodesy, Geological Institute) -
 Analysis of the Far-Baikal Seismic Changes of the Pre-Baikal;
 Prof. V. V. Kostylev (Institute of Geophysics and Geodesy, Geological Institute) -
 Geophysical Accidents; Prof. V. A. Slobodchikov (Institute of Geophysics and Geodesy, Geological Institute) -
 Analysis of the Far-Baikal Seismic Changes of the Pre-Baikal;

S/119/62/000/002/017/072
D22E/D301

AUTHOR: Chermnykh, G. P.
TITLE: The earthquake of May 4, 1959, near the Kamtchatka coast
PERIODICAL: Referativnyy zhurnal, Geofizika, no. 2, 1962, 18, abstract 2A130 (Byul. Soveta po seysmcl. AN SSSR, no. 11, 1960, 6-17)

TEXT: One of the strongest Kamchatka earthquakes of recent years which had a magnitude M of 7 3/4 and which covered an area of 2 million km², occurred on May 4, 1959, near the east coast of Kamchatka ($\Phi = 52^{\circ}\text{N}$, $\lambda = 161.1^{\circ}\text{E}$). The consequences of the earthquake are described. The earthquake had a force of 8 points at Petropavlovsk. The earthquake was especially strongly displayed on the eastern seabord of Kamchatka nearest to the epicenter (Cape Shil'yan-Cape Kronots). The force of the earthquake here was 8 - 9 points. In the rest of the coastal zone to Cape Lopatka in the south and Ust'-Kamchatka in the north the earthquake's force was

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S/169/62/000/002/017/072
D228/D301

The earthquake of ...

5 ~ 6 points. In contrast to previous Kamchatka earthquakes, the earthquake of May 4 was also felt on the west coast, where it had a force of up to 6 points. The tsunami was weak. Of the multiple shocks the strongest were observed on May 5 (these were felt on the west coast, too) and twice on May 8 ($M = 5 \frac{1}{4}$, $M = 5 \frac{3}{4}$). On June 18 an earthquake with an epicenter near Cape Krcnots, which had a magnitude M of $6 \frac{3}{4}$ and which destroyed the settlement of Zhupanova, again occurred in the same area. [Abstracter's note: Complete translation.]

Card 2/2

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308430001-2

KOLESNIKOV, Yu.A.; RYKOV, A.V.; CHERMNYKH, G.P.

Seismograms convertible into electric current. Trudy Inst. fiz.
(MIRA 16:11)
Zem. no.26:37-41 '63.

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308430001-2"

MININA, Ye.G.; CHERMNYKH, I.S.

Changes in the growth of buds in dioecious plants of the willow
Salix acutifolia L. Biul. MOIP. Otd. biol. 68 no.5:51-58 S-O '63.
(MIRA 16:10)

N
CHERMYKH, L. N. Doc Cand Agr Sci -- (diss) "Characteristics of the
cultivation of early tomatoes on heated soil." Mos, 1957.
growing of the early tomatoes on heated soil." Mos, 1957.
18 pp 19 cm. (Moscow Order of Lenin Agr Academy im K.A. Timirjazev), 110 copies
(KL, 21-57, 104)

USSR/Cultivated Plants - Potatoes, Vegetables, Melons.

R.

Abs Jour : Ref Znat - Biol., No 10, 1953, 44122

Author : Chernykh, L.N.

Inst : Moscow Agricultural Academy imeni K.A. Timiryazev

Title : Peculiarities of the Agrotechnics of Early Tomatoes on
Ground Heated with Steam.

Orig Pub : Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957,
vyp. 28, 362-366.

Abstract : The experiment with the Gruntoviy Gribovskiy variety
showed that on warmed ground and with the protection of
IK-4 "Terfel" translucent film it is possible to obtain
the first crop 35-40 days earlier than on open ground
and only 1½-2 weeks later than from the spring hothouses.
Treatment with 2,4,5-0/? (25 mg/l) of the flowers of the

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- 64 -

USSR/Cultivated Plants - Potatoes, Vegetables, Melons.

M.

Abs Jour : Ref Zhar - Biol., No 10, 1993, 44122

First and second raceme led in the case of early planting periods to a crop increase of about 2 kg/m² and to the acceleration of ripening by 12-14 days. The highest crop to the experiment (12 kg/m²) was obtained from the first planting period (April 15). Without the treatment the highest yield (10.4 kg/m²) was obtained from the planting on May 4. In the experiment of growing tomatoes at a soil temperature remaining constant throughout the entire vegetation the soil was heated by the electrode method. On the control plot the soil temperature fluctuated roughly from 14 to 18°. The yield from the control plot comprised 7.1 kg/m²; at 20° the yield was 10.1 kg/m²; at 25° - 12.0; at 30° - 12.6 and at 35° 13.9 kg/m². Heightening of the biological activity of the soil was noted during the experiments. Also noted was the increase in the plant absorption rate of water and of the elements of mineral nutrition. The negative effect of temperature was observed at 40°. -- G.N. Chernov

Card 2/2

CHERMNYKH, Lev Nikolayevich, kand.sel'skokhoz.nauk; SHCHERBAN', I.,
red.; SAMOILTOVA, A. [Samoil'tova, A.], tekhn.red.

[Growing early vegetables] Vyroshchuvannia rannikh ovochiv.
Stalino, Knyzhkove vyd-vo, 1960. 56 p.
(Vegetables) (MIRA 14:12)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308430001-2

CHERMNYKH, Lev Nikolayevich; OZERANSKIY, L.A. [Ozerans'kyi, L.A.], red.;
SAVCHENKO, M.S., tekhn. red.

[Champignon culture] Kul'tura shampin'ioniv. Kyiv, Derzhsil'-
hospydav URSR, 1961. 63 p.
(MIRA 15:11)
(Ukraine—Mushroom culture)

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000308430001-2"

CHERMAN'KA, MIKHAIL SERGEYEVICH
IZRAELIT, Eleazar Moiseyevich; CHERMNYKH, Mikhail Sergeyevich; VIROZUB,
I.V., redaktor; LIHERMAN, S.S., redaktor; ANDREYEV, S.P., tekhnicheskiy
redaktor

[Gas utilization in coking plants] Gazovoe khoziaistvo koksovykh
tsekhov. Khar'kov, Gos.nauchno-tekhn. izd-vo lit-ry po chernoi i
tsvetnoi metallurgii, 1955. 174 p.
(MLRA 9:2)
(Coke industry)

CHERMNYKH, M.S.

VODNEV, G.G.; SHELKOV, A.K.; DIDENKO, V.Ye.; FILIPPOV, B.S.; TSAREV, M.N.; ZASHVARA, V.G.; LITVINENKO, M.S.; MEDVEDEV, K.P.; MOLODTSOV, I.G.; LGALOV, K.I.; RUBIN, P.G.; SAPOZHNIKOV, L.M.; TYUTYUNNIKOV, G.N.; DMITRIYEV, M.M.; LEYTES, V.A.; LERNER, B.Z.; MEDVEDEV, S.M.; REVYAKIN, A.A.; TAYCHER, M.M.; TSOGLIN, M.E.; DVORIN, S.S.; RAK, A.I.; OBUKHOV-SKIY, Ya.M.; KOPKIN, A.M.; ARONOV, S.G.; VOLOSHIN, A.I.; VIROZUB, Ye.V.; SHVARTS, S.A.; GINSBURG, Ya.Ye.; KOLYANDR, L.Ya.; BELETSKAYA, A.F.; KUSHNAREVICH, N.R.; BRODOVICH, A.I.; NOSALEVICH, I.M.; SHTRONBERG, B.I.; MIROSHNICHENKO, A.M.; KOPELIOVICH, V.M.; TOPORKOV, V.Ya.; AFONIN, K.B.; GOFTMAN, M.V.; SEMENENKO, D.P.; IVANOV, Ye.B.; PEYSAKHZON, I.B.; KULAKOV, N.K.; IZRAELIT, E.M.; KVASHA, A.S.; KAFTAN, S.I.; CHERMNYKH, M.S.; SHAPIRO, A.I.; KHALABUZAR', G.S.; SEKT, P.Ye.; GABAY, L.I.; SMUL'SON, A.S.

Boris Iosifovich Kustov; obituary. Koks i khim. no.2:64 '55. (MLRA 9:3)
(Kustov, Boris Iosifovich, 1910-1955)

CHERMNYKH, M.-S.

ARONOV, Samuil Grigor'yevich; BAUTIN, Ivan Grigor'yevich; VOLKOVA, Zoya Andreyevna; VOLOSHIN, Arkhip Il'ich; VIROZUB, Yevgeniy Vladimirovich; GABAY, Lev Izrailevich; DIDENKO, Viktor Yefimovich; ZASHKVARA, Vasilii Grigor'yevich; IVANOV, Pavel Aleksandrovich; KUSTOV, Boris Iosifovich [deceased]; KOTOV, Ivan Konstantinovich; KOTKIN, Aleksandr Matveevich; KOMANOVSKIY, Maksim Semenovich; LEYTES, Viktor Abramovich, MOROZ, Mikhail Yakovlevich; NIKOLAYEV, Dmitriy Dmitriyevich; OBUKHOVSKIY, Yakov Mironovich; RODSHTEYN, Pavel Moiseyevich; SAPOZHNIKOV, Yakov Yudovich; SENICHENKO, Sergey Yefimovich; TOPORKOV, Vasiliy Yakovlevich; CHERMNYKH Mikhail Sergeyevich; CHERKASSKAYA, Esfir' Ionovna, SHVARTS, Semen Aronovich; SHERMAN, Mikhail Yakovlevich; SHVARTS, Grigoriy Aleksandrovich; LIBERMAN, S.S., redaktor izdatel'stva; ANDREYEV, S.P., tekhnicheskiy redaktor

[Producing blast furnace coke of uniform quality; a collection of articles for the dissemination of advanced practices] Poluchenie domennogo koksa postoiannogo kachestva; sbornik statei po obmenu peredovym opyтом. Khar'kov, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1956, 300 p. (MLR 9:8)
(Coke industry)

CHERMNYKH, M.S.

Effect of burner size on the heating of PVR coke ovens. Koks i
khim. no.3:24-26 '56. (MLRA 9:8)

1. Teplotekhnika.
(Coke ovens)

IZRAELIT, Eliazar Moiseyevich; CHERNYKH, Mikhail Sergeyevich; KVASHA,
A.S., otv.red.; BELINA, R.A., red.izd-va; LIBERMAN, S.S., red.;
ANDREYEV, S.P., tekhn.red.

[Coke oven firing] Otoplenie koksovykh pechei. Khar'kov, Gos.
nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii,
1960. 324 p. (MIRA 13:9)
(Coke ovens—Combustion)

CHERMNYKH, V.A.

Oolitic limestones in Carboniferous sediments of the Greater Shaytanovka (tributary of the Lesser Pechora) Valley. Trudy Komi fil. (MIRA 13:11)
AN SSSR no.7:97-102 '59.
(Shaytanovka Valley--Limestone)

CHEREMNYKH, V.A.

Correlation of the sections of Carboniferous sediments in the
Timan-Ural area. Trudy NIIGA 130:12-26 '62. (MLKA 16:5)
(Timan Ridge—Geology, Stratigraphic)
(Ural Mountains—Geology, Stratigraphic)

CHERMNYKH, V.A.

Detailed stratigraphy of deposits of the Visean stage in the basin
of the Bol'shaya Shaytanovka River in the Northern Urals. Dokl.
AN SSSR 132 no.6:1403-1406 Je '60. (MIRA 13:6)

1. Institut geologii Komi filiala Akademii nauk SSSR. Pred-
stavleno akademikom A.L.Yanshinym.
(Bol'shaya Shaytanovka Valley--Geology, Stratigraphic)

CHERMNYKH, V.A.

Siliceous Carboniferous rocks of the Bol'shaya Shaytanovka
River (Northern Urals). Dokl.AN SSSR 133 no.3:669-672
(MIRA 13:7)
J1 '60.

1. Institut geologii Komi filiala Akademii nauk SSSR. Pred-
stavлено академиком Н.М.Стрековым.
(Bol'shaya Shaytanovka Valley---Silica)

CHERMNYKH, V.A.

Structure of several bars "talyms" in the upper part of the
Pechora River. Izv.Komi fil.Geog.ob-va SSSR no.7;112-114 '62.
(MIRA 15:12)
(Pechora River--Alluvium)

CHERMNYKH, V.A.

A transportive role of ice on the Shchugor River. Izv. Komi.
(MIRA 17:6)
fil. Geog. ob~va SSSR no.8:76-79 '63.

CHIRMINYEV, V.P., ZUL'FOKOVA, N.N.

The fossil washout in the northern part of the Ural Mountain
region. Dokl. AN SSSR 165 no. 4: 911-914. D '65.
(MIRA 18'12)
Institut geologii Komi filiala AN SSSR. Submitted June 4,
1965.

CHERMNYKH, Ye., kapitan.

Wind calculation with a navigation rule. Av. i kosm. 47 no. 9:
(MIRA 17:8)
85 S '64

CHERMOSHENTSEV, D.S., deputat

With the help of all the deputies. Gor.khoz.Mosk. 36 no.6:40-41
(MIRA 15:8)
Je '62.

1. Predsedatel' Postoyannoy komissii torgovli i obshchestvennogo
pitaniya Oktyabr'skogo rayonnogo soveta Moskvy.
(Moscow—Groceries)

CHENKOSHENTSEV, K. I.

Experience in excellent track maintenance Moskva, Gos. transp. zhel.-der. izd-vo,
1950. 15 p. (50-39669)

TF240.C5

CHERNOSENTEV, V.Z.

The MMZ-581A single-axle tractor dump trailer. Biul.tekh.-
ekon.inform. no.5:68-69 '59. (MIRA 12:8)
(Truck trailers)

CHERNOV, N. I.

Novyye Tipy Sudov Dlja Bol'shoj Volgi I Kanalov "Sverzhi s velikimi stroikami
kodumizka. (New Types of ships for the greater volga and canals in connection
with the great development of communism.)" Moskva. Izd-vo Zemlye, 1932.

23 p. Illus.

CHERMOZHSKAYA L N

3

1 - F/W

✓ Chermozskaya, L. N. On the influence of the tuning of the parameters of an automaton on the self-oscillations of a system of regulation. Moscow: Gostekhizdat, 1955.

Zap 172 (1955).
Let φ be an angle of displacement variable of the controlled object and η the variable of the control acted upon by the servo. These variables satisfy a system of the third order of the form:

$$(1) \quad \begin{aligned} T^2\ddot{\varphi} &= -U\dot{\varphi} - k\varphi - \eta + z, \\ W\ddot{\eta} &= h\dot{\eta} + \mu F(\varphi), \\ \eta &= Y\ddot{\varphi} + X\dot{\varphi} + k\varphi - mn \end{aligned}$$

Here the new letters except η , z , F are positive constants, with μ small; z is the exterior disturbance and $h\dot{\eta} + F(\varphi)$ the servo characteristic. In particular, F contains no linear terms. Upon eliminating η the system (1) is replaced by one of order three of the form:

$$(2) \quad a(D)\ddot{\varphi} + b(D)\dot{\varphi} = z, \quad c(D)\varphi + d(D)\psi = -\mu F, \quad D = d/dt,$$

where a, \dots, d are polynomials with constant coefficients.

In a system such as the present stable oscillations are highly undesirable unless they are of very small amplitudes. The author studies first the linear case: $\mu=0$. Conditions are established for the existence of a pair of pure complex characteristic roots and of an oscillation. By Poincaré's well known method there is obtained from this solution one for $\mu \neq 0$, a process due to Buiagakov being followed in the calculations. Certain stability ranges for the periodic solution are also considered. S. Lefschetz

llm

CHERMOCHUKOV, N.

4836. LUBRICATING OIL. Chermochukov, N. L., Lukashevich, L. P., Klapovskaya, A. V. and Baumyan, K. V. (U.S.S.R. P. 69,723/1947; abstr. in Chem. Abstr., 1950, vol. 44, 319).

Oil is treated with an aluminium silicate catalyst at a temperature above 370° but below the cracking temperature. The product is freed of the light fractions by distillation. Oil thus treated has a higher index of viscosity and better stability.

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

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CHERMYAK, N.Ya.

EXCERPT

AUTHOR SERGIYENKO S.R., CHERMYAK N.Ya.
TITLE Kinetics And Mechanism of the Liquid Phase Oxidation of Dibenzyl And
Dicyclohexylethane. 20-2-30/67
(Kinetika i mekhanizm zhidkofaznogo ikisleniya dibenzila i ditsiklo-
geksletana -Russian)
PERIODICAL Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 2, pp 351-354 (U.S.S.R.)
Received 6/1957 Reviewed 7/1957

ABSTRACT The oxidation of the liquid hydrocarbons was carried out by means of oxygen being blown through them. The absorbed quantity of oxygen was ascertained from the pressure decrease in the closed circulation plant and the measured quantities were periodically replenished. The residual quantity of the initial product as well as the quantities of superoxides, acids, ethers and alcohols were then determined. Di-benzyloxydation was carried out at 11°, 13°, 14°, and 15°. The S-shape of the curve (ill.1) and the fact that the semi-logarithmic anamorphism of its initial parts are straight lines, give evidence of a reaction process according to a chain mechanism with degenerated branches. In the initial phase practically only superoxides (menohydro-) develop. Other oxydation products are produced by the decay of the hydroperoxide with later oxydation of the products developed. After a retardation of the oxygen absorption its consumption proceeds with a steady, very small velocity. The dibenzyl replenishment on the initial quantity in this phase did not accelerate the oxygen absorption. It follows from this that the oxidation delay does not originate.

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Kinetics And Mechanism of the Liquid Phase Oxidation 20-2-30/67
of Dibenzyl And Dicyclohexylethane. X65510/20

nate from the exhaustion of the initial quantity of dibenzyl but 1. from the development of delaying oxidation matters, 2. from the fact that the reaction after the development of these matters is directed by a different mechanism than in the initial period. Adding small quantities of resinous matter which originated from former experiments to the initial dibenzyl delayed oxidation considerably. In addition to the initial dibenzyl several intermediate products were added to the oxidation reaction. Thus benzylalcohol and benzylaldehyde delay the oxidation if they are added before the reaction, whereas no effect becomes manifest on the occasion of a later addition. Hydrosuperoxide before the reaction accelerates it considerably, even if the reaction had been highly delayed before. Thus hydrosuperoxide causes the autocatalytic process in the first phase. The inhibitor developing during the reaction delays the superoxide radical to such an extent that the hydrosuperoxide is prevented from developing. After the decay of the existing quantity of hydrosuperoxide the possibility of chain ramification is lost and the reaction goes on in a non-ramified way with a velocity smaller than so far, but steady. On the basis of experimental results the authors suggest a scheme of the radical-chain-mechanism of the dibenzyl oxidation. The oxidation of dicyclohexylethane was carried out at 11°, 12°, 13°, and 14°. The reaction is self-accelerating and in the initial period proceeds according to the exponential law. The absorption velocity of oxygen is retarded after it

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